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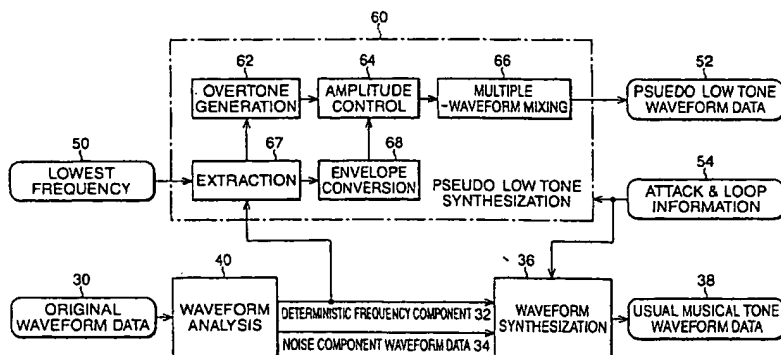
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(54) **Waveform signal generation method with pseudo low tone synthesis**

(57) A method generates waveform signals from a plurality of channels to sound a music tone through an electro-acoustic converter in response to sounding instruction information. The method is carried out by a receipt process of receiving the sounding instruction information containing a designated pitch effective to specify a pitch of the music tone, a determination process of determining whether or not the designated pitch is lower than a critical pitch which is predetermined in association with the electro-acoustic converter, a first generation process (36) of generating a first waveform signal

(38) containing a fundamental tone corresponding to the designated pitch at least when the determination process determines that the designated pitch is not lower than the critical pitch (50), and a second generation process (60) of generating a second waveform signal (52) containing at least two overtones which are multiples of the fundamental tone and higher than the critical pitch (50), only when the determination process determines that the designated pitch is lower than the critical pitch (50), thereby the second waveform signal (52) providing a pseudo low tone below the critical pitch.

FIG. 3





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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 18 June 2003	Examiner Feron, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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